



# GOVERNMENT COLLEGE OF ENGINEERING, AMRAVATI

(An Autonomous Institute of Government of Maharashtra)  
Kathora Naka, VMV Road, Amravati, 444604 Maharashtra  
"Towards Global Technological Excellence"

Phone: (0721) 2531930, 2531929  
Fax : (0721) 2531931

Web : www.gcoea.ac.in  
Email: principal@gcoea.ac.in

No: Academic Board/2019/ 3984  
Date: 11/9/2019

## Minutes of Academic Board (Senate) Meeting

Thirty Ninth meeting of Academic Board (Senate) of this institute was held on 26-08-2019 at 9.30 a.m. under the Chairmanship of the Principal, Govt. College of Engineering, Amravati in the meeting hall. Following members were present for the meeting.

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|---|----------------------|
| 1. Prof. R. P. Borkar, Principal, GCOE, Amravati                  | ... Chairman         |
| 2. Prof. V. L. Manekar, Prof., Civil Engineering, SVNIT, Surat    | ... Member           |
| 3. Dr. A. I. Dhattrak, Dean (Academics), GCOEA                    | ... Member           |
| 4. Dr. D. V. Rojtkar, Head, Electronics & Telecommunication       | ... Member           |
| 5. Prof. A. M. Mahalle, Head, Mechanical Engineering, GCOEA       | ... Member           |
| 6. Prof. S. P. Tatewar, Head, Civil Engineering, GCOEA            | ... Member           |
| 7. Prof. B. N. Chaudhari, Head, Elect. Engg., GCOEA               | ... Member           |
| 8. Mr. A. V. Deorankar, Head, Computer Science & Engg             | ... Member           |
| 9. Ms. A. W. Bhade, Head, Info. Tech., GCOEA                      | ... Member           |
| 10. Dr. R. M. Metkar, Asso. Prof. Mechanical, Engg.               | ... Member           |
| 11. Ms. M. V. Jape, Asst Prof, Electrical Engineering, GCOEA      | ... Member           |
| 12. Dr. M. L. Gulhane, Asso. Prof. CIVIL Engg., GCOEA             | ....Member           |
| 13. Dr. C. Y. Patil, Head, Instrumentation Engg, GCOEA            | ....Member           |
| 14. Dr. S. V. Shinde, Head, Physics Dept., GCoEA                  | ....Member           |
| 15. Prof. D. J. Chaudhari, Head, Applied Mechanics, GCoEA         | ....Member           |
| 16. Dr. P. A. Gulhane, I/C Head, Math. Dept., GCoEA               | ....Member           |
| 17. Mr. V. M. Jape, Controller of Examination, GCOEA              | ... Member (Invited) |
| 18. Mr. A. S. Sindekar, Asso. Prof. Electrical Engineering, GCOEA | ... Member (Invited) |
| 19. Prof. S. K. Hirde, Dean (R&D), GCoEA                          | ... Member (Invited) |
| 20. Dr. S. N. Khante, Dean (Finance), GCoEA                       | ... Member (Invited) |

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|--|------------------------------|
| 21. Mr. M. M. Deshmukh, TPO, GCOEA                       | ... Member (Invited)         |
| 22. Mr. P. S. Lande, Library Incharge, GCoEA             | ... Member (Invited)         |
| 23. Mr. Pratik A. Dhanoka, IV Year, Mechanical, GCoEA    | ... Student Member (Invited) |
| 24. Ms. Prerana P. Wasnik, II Year M. Tech. , EPS, GCoEA | ... Student Member (Invited) |
| 25. Mr. R. V. Mante, Asst Prof. , CSE ,GCOEA             | ... Member Secretary         |

The Member Secretary welcomed the Honorable Chairman, members and invitees present in the meeting. Hon'ble members Dr. Nitin Seth and Dr. S. S. Kumbhar expressed their inability to attend the meeting for personal reasons therefore leave of absence was granted. Academic Board thanked the past Chairman Dr. R. S. Dalu for his valuable contribution. New Academic Board Chairman and Principal Prof. R. P. Borkar was greeted by offering book by past I/C Principal Prof. D. J. Choudhari. New member Prof. V. L. Manekar, SVNIT, Surat was greeted by offering book by the Principal Prof. R. P. Borkar. With the permission of Chairman, Member Secretary initiated the agenda of the meeting

**Item No. 1: To read and confirm the minutes of 37<sup>th</sup> and 38<sup>th</sup> Academic Board (Senate) meeting held on 21-06-2019 and 26-07-2019**

The minutes of 37<sup>th</sup> and 38<sup>th</sup> Academic Board (Senate) meeting held on 21-06-2019 and 26-07-2019 were read and confirmed.

Academic Board instructed Dean (Academic) to inform to Sagar M. Nakade (ID 12005050) that this is the last extension of one additional year for completion of B.Tech. degree and Academic Board has approved his case as a special case.

Academic Board instructed to reconstitute Academic Board/ Academic Council, BoS and other bodies as per UGC guidelines/ Gazette Notification Higher and Technical Education Department, Government of Maharashtra dated 14<sup>th</sup> January 2019

**Item No. 2: To note the action taken on the minutes of 37<sup>th</sup> and 38<sup>th</sup> Academic Board (Senate) meeting held on 21-06-2019 and 26-07-2019**

Academic Board noted and approved action taken





**Item No 3: To approve new curriculum structure and syllabus of B.Tech. first year to be implemented from academic year 2019-20**

Academic Board principally approved new curriculum structure and syllabus of B.Tech. first year to be implemented from academic year 2019-20 with following suggestions/modifications.

- Assign course code SHU100 to Induction Program
- SHU121 Optics, quantum and semiconductor physics shall be read as Physics
- SHU122 Integral calculus, differential equation and num. methods shall be read as Integral calculus and differential equation
- In Evaluation scheme swap the sequence of MSE and TA
- EEU121 Basic Electrical Engineering shall be of 3 credits.
- Text Books and Reference Books shall be in proper format.
- Introduce new course **Basic Mechanical Engineering (2 Credits)** for only Electrical, Electronics & TC, Computer Science, Information Technology and Instrumentation Engineering branch and **Basic Electronics Engineering (2 Credits)** for only Civil and Mechanical Engineering branch.

Chairman BoS, Mechanical Engineering and Electronics Engineering were informed to submit syllabus of Basic Mechanical Engineering (2 Credits) and Basic Electronics Engineering (2 Credits) respectively to Chairman BoS Science & Humanities. Academic Board authorized Principal to approve above modified structure and syllabus incorporating the above suggestion.

Chairman BoS, Science & Humanities was informed to provide revised first year curriculum structure and syllabus as **per above** and submit to member secretary Academic Board in hard and soft copy on or before **16/09/2019**. The member secretary shall upload the same on Institute website immediately.

Academic Board instructed to arrange two day workshop regarding course objective and course outcome for all faculty. Head, Electrical will arrange such workshop. After workshop, all course objectives and outcomes shall be revised and BoS Chairman, Science and Humanities will compile the report from all BoS Chairman and should submit the detail report to member secretary Academic Board.

For failure students of 2018-19 batch and earlier, old courses shall be offered in winter 2019, summer 2020 and summer term 2020 and thereafter they will absorbed in regular/current batch of students

BoS Chairman should prepare and submit the equivalence of first year B. Tech. within 3 days of issue of this letter

Academic Board empowered Chairman, Academic Board to approve equivalence of first year B. Tech. and M. Tech.

Academic Board also suggested to add AICTE suggested books in curriculum and informed to library I/C faculty to take necessary action

**Item No. 4: To approve new curriculum structure of B. Tech. Civil Engg., Mechanical Engg., Electrical Engg., Electronics and Telecommunication Engg., Computer Science and Engg., IT, Instrumentation Engg.**

Curriculum structure civil referred back to BoS Civil to review the curriculum structure once again.

Academic Board principally approved curriculum structure of B. Tech. Mechanical Engg., Electrical Engg., Electronics and Telecommunication Engg., Computer Science and Engg., IT, Instrumentation Engg. and suggested to incorporate following modification.

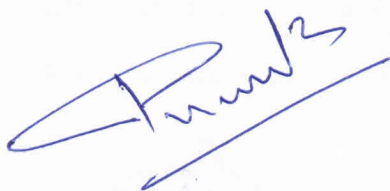
- Use short form of category
- Instead of symbol '&' use word 'and' in course name
- Constitution of India replace by Introduction to Constitution of India
- In Mechanical Engineering course Basic electronics replace by another course
- Computer Department and IT department offer Data structure and Algorithm as an Open elective I and Open elective II respectively

Academic board authorized principal to approve curriculum structure of B.Tech. of all courses by incorporating the above modification.

Academic Board suggested to Training and Placement officer to submit the requirement of short term courses, training needs of student under T & P to all Chairman BoS for their necessary action.

Academic Board also suggested to refer NASCOM syllabus for Computer Science & Engineering and IT while preparing the syllabus.

All Chairman BoS shall submit the corrected curriculum to member secretary academic board in Hard and Soft Copy on or before 16/09/2019. The member secretary shall upload the same on Institute website immediately.





**Item No.5: To discuss and approve revised curriculum structure and syllabus for M.Tech. Structural Engineering, Geotechnical Engineering, Environmental Engineering , Production Engg., Thermal Engg., Electronics Systems and Communication, Elect. Power System ,Computer Science and Engineerig to be implemented from academic year 2019-20**

Academic Board principally approved revised curriculum structure and syllabus for M.Tech. Structural Engineering, Geotechnical Engineering, Environmental Engineering, Production Engg., Thermal Engg., Electronics Systems and Communication, Elect. Power System, Computer Science and Engineerig to be implemented from academic year 2019-20 and suggested to incorporate following modification.

- Audit course shall be common for all programs, add constitution of India as an Audit course in list of Audit course
- SHP221 Research Methodology and IPR shall be read as Research Methodology. Electrical BoS will prepare and submit the syllabus of Research Methodology
- Data Structure and Algorithms shall be open elective for M.Tech. but shall not be offered for Computer Science and Engineering Students

Academic board authorized principal to approve curriculum structure of M.Tech. of all courses by incorporating the above modification.

Academic Board instructed to arrange two day workshop regarding course objective and course outcome for all faculty. Chairman BoS, Electrical will take a lead role to arrange the workshop at the earliest. After workshop all course objectives and outcomes shall be revised and submit to member secretary Academic Board to put for approval to Academic Board.

Academic Board has made following changes:

- i) M. Tech. Students opting for Industrial dissertation for whole year will complete third semester courses through NPTEL or online courses. Academic Board constituted the following committee for deciding policy to convert NPTEL / online courses grades/ marks to Institute grade

Prof.B.N.Choudhari	Chairman
Head Mechanical	Member
Dean Academic	Member Secretary

The committee shall prepare guidelines and submit the report to the Principal to place in next Academic Board meeting.

- ii) Seminar II should be related to literature survey based on Dissertation topic
- iii) Open elective shall be common for all programs as give below



<b>LIST OF OPEN ELECTIVES</b>
<b>OPEN ELECTIVE (SHP321)</b>
(A) Business Analytics (ME) (B) Industrial Safety (ME) (C) Operations Research (ME) (D) Cost management of Engineering Projects (CE) (E) Composite Materials (ME) (F) Waste to Energy (CE) (G) Finance Management (EE) (H) Project Management (EE) (I) Data Structure and Algorithms(CS) (J) Any other course approved by BOS
Note:- <b>Data Structure and Algorithms(CS) is not offered for Computer Science and Engineering Students</b> ME :- Offered by Mechanical Engineering Department CE:- Offered by Civil Engineering Department EE:- Offered by Electrical Engineering Department CE:- Offered by Computer Science and Engineering Department

All concern BoS Chairman should prepare and submit the equivalence of first year M.Tech. within 3 days of issue of this letter

Academic Board empowered Chairman, Academic Board to approve equivalence of first year M. Tech.

All Chairman BoS shall submit the corrected curriculum to member secretary academic board in Hard and Soft Copy on or before 16/09/2019. The member secretary shall upload the same on Institute website immediately.

**Item No. 6: To note and approve minutes of 34<sup>th</sup> meeting of Examination Committee (EC)**

Academic Board noted and approved minutes of Examination Committee



**Item No. 7: To approve and recommend to BoM the award of degree to the students who completed successfully B. Tech. program, in examinations held during Winter 2018, Summer 2019, Summer Term 2019 and M. Tech. program in examinations held during, Winter 18, Summer 2019. (A proposal from Examination Committee)**

A list of 426 students eligible for the award of B. Tech. degree and 54 students eligible for the award of M. Tech. degree recommended by EC was approved.

The Board congratulated all B.Tech./M.Tech. students eligible for award of degree. Academic Board approved and recommended the list for approval to Board of Governance with following suggestions –

- i) The spelling (English and Marathi both) of students' name and the programme name should be carefully checked before submitting the lists to Sant Gadge Baba Amravati University, Amravati (SGBAU).
- ii) The final lists (after approval from Board of Governance) should be submitted to SGBAU, Amravati for further necessary action.

In view of the Graduation Ceremony scheduled on 31/08/2019, Academic Board authorized the Chairman (Academic Board) to approve the additional lists consisting of the students of B. Tech. (whose degree eligibility is yet to be verified) and the students of M. Tech. (whose results are yet to be declared/ degree eligibility is yet to be verified).

**Item No. 8: To approve the list of topper students for the award of Gold medals who completed B. Tech. and M.Tech. successfully during the examination held in Summer 2019(A proposal from Examination Committee)**

The list of topper students (program wise) approved and recommended by EC was presented before the Academic Board for B. Tech. & M. Tech. programs.

Academic Board approved and recommended the program wise list of toppers to Board of Governance for approval.



Item No 09

Any other point with permission of the chair

9.1) To approve the additional lists of students eligible for award of degree from Sant Gadge Baba Amravati University, Amravati. (A proposal from Examination Committee)

Member Secretary informed the Academic Board that degree eligibility of 10 students of B. Tech. and 36 students of M. Tech. was received after 36<sup>th</sup> meeting of Academic Board. As decided in 36<sup>th</sup> meeting of Academic Board, approval to this additional list was given by Chairman Academic Board. The same additional list was placed before the Academic Board for approval.

Academic Board accorded post-facto approval to additional lists of students eligible for award of degree from Sant Gadge Baba Amravati University, Amravati.

9.2) To decide suitable grade for cancellation of performance due to unfair means.

As per item No 3.1 of 32<sup>nd</sup> meeting of EC, a committee was constituted to recommend suitable grade for cancellation of performance due to unfair means. The committee recommended grade 'CC'. However EC recommended using single letter and approved letter 'Y' for this grade.

Academic Board approved grade 'Y' for cancellation of performance due to unfair means.

9.3) To approve proposed modifications in rule R18.5, R18.5.1 & R18.6 for B. Tech. and R15.5, R15.5.1 & R 15.6 for M. Tech. [Make up examination]

Member Secretary informed the Academic Board that in order to have uniformity in procedure for make up examination of CT & ESE, modifications are proposed in the above rules. Proposed modifications as recommended by EC were placed before the committee.

Academic Board approved the proposal with following modifications

Instead of	Read as
The student absent for ESE should submit an application to The Chairman BOS within <b>ten</b> days from the date of the examination missed explaining the reasons for his/her absence.	The student absent for ESE should <b>inform within 48 hours</b> and submit an application to The Chairman BOS <b>within five days</b> from the date of the examination missed explaining the reasons for his/her absence.
Such cases shall be scrutinized by concerned <b>programme head/</b> BOS Chairman for verifying genuineness. Final approval shall be accorded in the meeting of following committee.	Such cases shall be scrutinized by concerned BOS Chairman for verifying genuineness. Final approval shall be accorded in the meeting of following committee.



Principal Dean(Acad), All Heads CoE First year Coordinator	Chairman Members Mem. Sec. Invitee	Principal Dean(Acad), All Chairman BoS CoE First year Coordinator	Chairman Members Mem. Sec. Invitee
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**9.4) To modify punishment for carrying Mobile / Smart watch / Programmable calculators during Examination ( ESE / CT) (Th. & Pr.)**

As per Rules and Regulations for Examinations and Evaluations of UG and PG Programmes, punishment for carrying mobile during examination is to take undertaking from examinee. In view of repeated incidences of carrying mobile during examination, there is need to impose more severe punishment so that misuse of modern communication technology during examination can be avoided. EC recommended following modification in Annexure B of Rules and Regulations for Examinations of UG & PG programs at Sr. No. 25.

		OLD	New	
Sr. No.	Nature of mal-practice(Existing)	Quantum of punishment (Existing)	Nature of mal-practice	Quantum of punishment (Recommended)
25	Carrying mobile during examination (ON/OFF). No copying material in the mobile.	<ol style="list-style-type: none"> <li>Undertaking from the examinee mentioning 'Not carrying mobile in examination in future'</li> <li>Examinee may collect his mobile from Dean (Student affairs) by following the regular institute procedure.</li> </ol>	Carrying mobile (ON/OFF)/any electronic gadgets except non programmable calculator, if allowed during examination. No copying material in the mobile/ any electronic gadgets	Cancellation of performance of examinee in that course. Mobile will be retained as copy material

Academic Board approved modification in Annexure B of Rules and Regulations for Examinations of UG & PG programs at Sr. No. 25 with following modification

Instead of	Read as
Cancellation of performance of examinee in that course. Mobile will be retained as copy material	Cancellation of performance of examinee in that course. . Mobile/any electronic gadgets will be retained as copy material

**9.5) To approve and recommend proposal for award of gold medals to the topper students of M. Tech.**

Member Secretary informed the Academic Board that Institute has policy for award of gold medals to the topper students of each B. Tech. program from academic year 2009-10. It was proposed to award gold medals to the topper students of each M. Tech. program from academic year 2018-19. The proposal was placed for discussion in EC.

After thorough discussion in EC, EC approved and recommended that in view of small group size for M. Tech. programs, instead of Gold Medal, certificate to M. Tech. toppers should be issued.

Academic Board approved the recommendation of EC

**9.6) Request for releasing mobile phones ceased as proof of unfair means ( Request by students Shaunak Sakhare and four others)**

In EC meeting in view of the request made by the students and submission made by Dean (Student welfare) about difficulties faced in storing and handling these mobiles, Hon Chairman EC suggested that mobile should be returned to the students after the action taken on unfair means cases is approved by the EC. Due acknowledgement for this should be taken. Also to avoid legal complications which may arise in future, an undertaking / affidavit should be taken. Dean (Student welfare) shall design single format for receipt cum affidavit in consultation with legal advisor. After approval to this format, mobiles should be returned. Considering the fact that mobiles ceased since the inception of this rule are to be returned, notice may be displayed on web site to collect mobile within one month failing which balance mobiles will disposed off as per rules.

Academic Board approved the above policy. Academic Board suggested that to curb the malpractices there shall be CCTV camera in examination Halls/rooms. Data Center will look in to the matter and submit the report.

**9.7) Proposal to conduct End Semester theory examination at institute level**

Presently ESE is conducted at department level with departmental head working as coordinator. It is observed that very few students (sometimes 2 or 3 only) appear for Summer Term and to conduct their examination minimum staff required is 8. In order to avoid such financial expenditure, for administrative convenience and smooth conduct of examination, it is proposed to conduct the ESE at institute level.

EC approved the proposal with recommendation to implement it from Winter 2019 ESE.



The modalities for this shall be prepared by CoE and Dean (Acad) and shall be placed for approval in next EC meeting.

Modalities recommended by EC shall be placed before Academic Board for approval in next meeting.

Academic Board approved the proposal

**9.8) Proposal to cancel provision of attending classes and appearing for CT1, CT2 and TA for back loggers.**

As per the provisions of Rule No R14.9 for B. Tech. and R 13.6 for M. Tech., students are permitted to register as back logger for the courses in which he/she has 'F' or 'Z' grade. Since this registration is during regular semester, all rules and regulations of regular semester are applicable to these students. Because of this, students need to attend the classes regularly and appear for CT1, CT2 & TA evaluation. Since these students register for regular courses as well as back log courses simultaneously, adjusting the time-table becomes difficult. Hence most of the time such students fails to make up required attendance and are declared "NOT ELIGIBLE" for ESE. To avoid such situations it is proposed to allow these students to appear for ESE directly without attending the classes. So far as performance in CT1, CT2 & TA is considered, it may be carried forward from immediate last performance or marks proportional to his / her performance in ESE may be considered for CT1, CT2 & TA taken together.

EC accepted the proposal in principle with option of giving marks proportional to ESE marks for (CT1, CT2) / MSE & TA. The proposal shall be effective from Summer Term 2020. EC further recommended to place the recommendations before Academic board for necessary approval.

**Academic Board approved the above proposal with following modifications**

So far as performance in CT1, CT2 /MSE, TA & ICA is considered, it may be carried forward from immediate last performance or marks proportional to his / her performance in ESE may be considered for CT1, CT2/MSE & TA taken together & ICA in case of practical as per student's option. Option once given will not be change at any later stage. **This is applicable for the courses in which student has 'F' grade only.**

The proposal shall be effective from **Summer 2020.**

**9.9) Proposal to complete audit courses by Direct second year admitted students before registering for Seventh Semester**

The students admitted directly to second year needs to clear some courses as audit courses. Since there is no defined time limit to complete these courses, it is noticed that students have tendency to register for these courses during last year. If these students fail to clear the audit course, course completion certificate is not issued to them because of which many times placement of the student is also cancelled. Hence it is proposed that all audit courses must be completed by directly second year admitted students before registering for

Seventh Semester. Any students with pending audit course from directly second year admitted group shall not be eligible for admission to seventh semester.

EC approved and recommended the proposal.

Academic board approved the proposal applicable for **Direct second year students admitted in 2019-20**

**9.10) Proposal to modify rule R 15.5 (for equivalence and absorption) for direct admission to Second year**

Following modification is proposed in rule R 15.5 for B. Tech.

Rule No	Existing	Proposed
R 15.5	For direct admission to second year / transfer (lateral entry) the calculation of CGPA and award of credits shall be governed by R 15.3 and R 15.4. In that case percentage of the diploma certificate shall be considered for the absolute grading system. In that case percentage of the diploma certificate shall be considered for absolute grading system.	For direct admission to second year; award of credits and the calculation of CGPA shall be considered from the time of admission in autonomous pattern. It shall be assumed that the student had earned credits of earlier semesters and shall earn the requisite number of credits and audit courses as per norms.

EC approved and recommended the proposal.

Academic Board approved the proposal.

**9.11) Proposal for separate passing for ESE**

As per existing rules, students securing 40% & 50% marks in a course in B. Tech. & M. Tech. respectively is considered 'pass' irrespective of his score in ESE. Due to this, if student gets good marks in CT1, CT2 & TA in some course, there is tendency of giving less importance to ESE of such courses. This results in neglecting about 50% contents of syllabus. To avoid this, it is proposed to have separate passing for ESE. Accordingly, it is proposed that keeping passing limit unchanged, additional requirement of minimum 1/3<sup>rd</sup> of ESE maximum marks is to be included. The proposal is placed before the board for further recommendation. If approved, same will be implemented for first year students from academic year 2019-20 and progressively in the following years.

It was point of discussion, whether student securing good marks in CT1, CT2 & TA in some course, is giving less importance to ESE of such courses and all exams should have equal importance.

Academic Board instructed CoE to present statistic in next meeting. Academic Board also suggested that to declare the average CGPA of the Institute

**9.12) Proposal to modify grade calculation process for Summer Term**

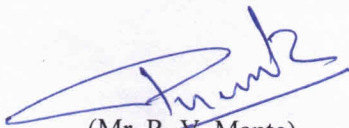
Presently, the grade calculation for Summer Term is defined in Rule R21.9 for B. Tech. It is proposed to modify this procedure. The proposed modification is presented in following table.



Rule No.	Existing Rule (R 21.9)	Proposed Rule
R 21.9	The evaluation of performance in the summer semester will follow the same standards, when the course was offered last during a regular semester. The record copy of that evaluation including the statistical parameters will be provided to the Course Coordinator by the Chairman, BOS or the First Year Class Coordinator as the case may be. However, in no case the highest grade awarded will exceed B+.	<p>For less than 15 students in a course, the grades shall be awarded on the basis of natural cut-off in the absolute marks (Appendix D).</p> <p>For 15 and more number of students in a course, the statistical method shall be used for the award of grades with or without marginal adjustment for natural cut-off. The salient features of statistical method are given in Appendix-E.</p> <p>However, in no case the highest grade awarded will exceed B+.</p>

Academic Board approved the modification.

The meeting was ended by proposing vote of thanks by the Member Secretary to Chairman and all members of Academic Board



(Mr. R. V. Mante)  
Member Secretary



(Prof. R. P. Borkar)  
Chairman

Copy for information and necessary action to

- 1) All Hon'ble Members
- 2) Student Section
- 3) Controller of Examination
- 4) Data Center I/C with information to upload minutes of meeting on Institute website